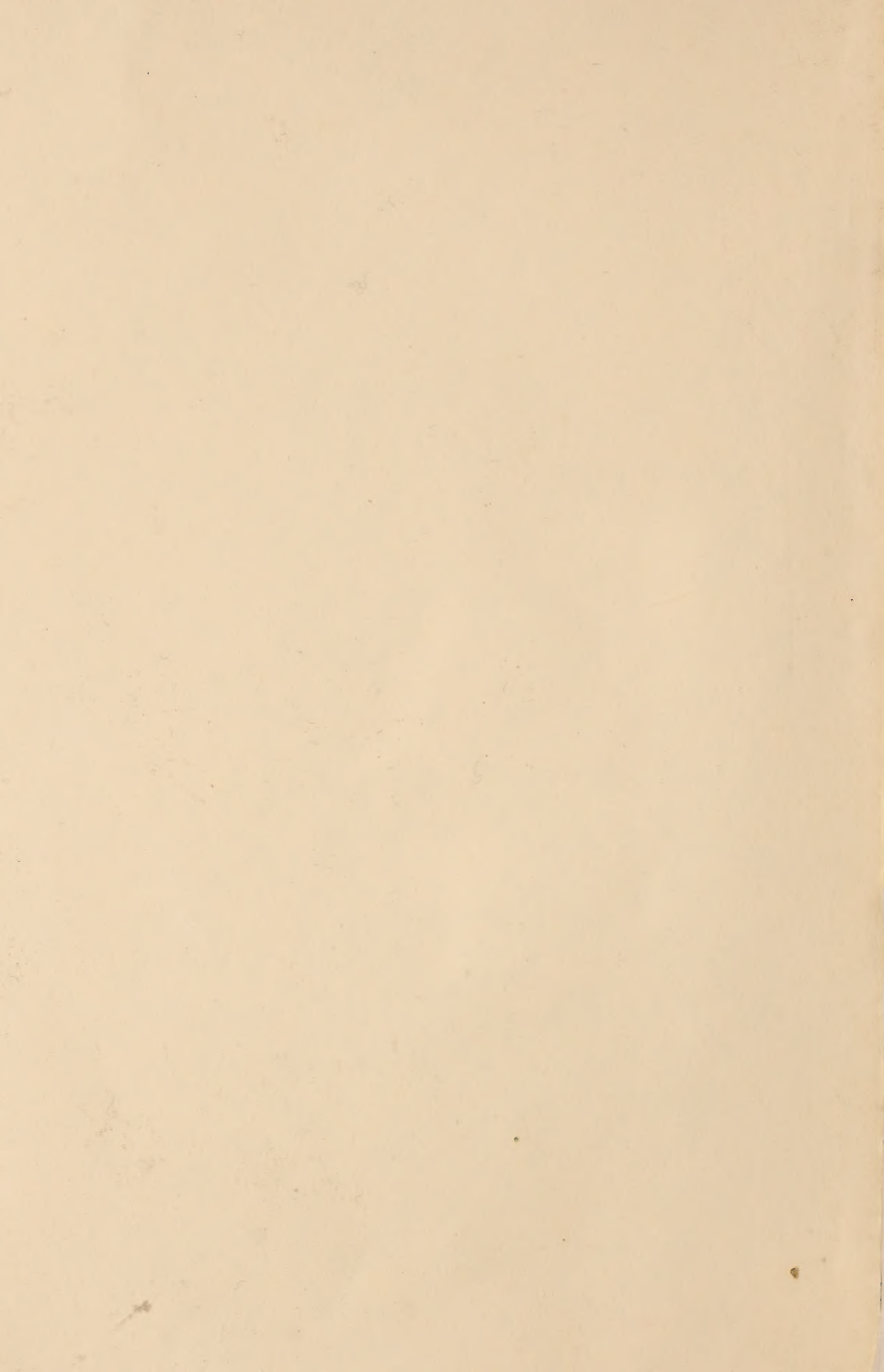


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# SEED ANNUAL

1905

## MICHAEL'S SEED STORE

GARDEN, FIELD AND  
GRASS SEEDS

ALFALFA, TIMOTHY, CLOVER AND FARM  
SEEDS A SPECIALTY

SIoux CITY, IA.

316  
PEARL ST.





# SPECIAL NOTICE

To every man, woman and child who contemplates planting seeds the coming spring, we want to say that it will pay you and pay you well to buy your seed of any kind at a **Seed Store**. There you will find fresh new stocks and a full line of everything in Seeds and greatly, too, to your advantage in both price and quality. Our **Garden Seeds**, we want to say, are the very best obtainable, planted, grown and saved by special growers of the different kinds of seed especially for our business. The **Field and Grass** we handle are clean and pure, free from foul and obnoxious weed seeds. We invite every farmer to come and see our stocks before sending away for their seed and feel satisfied that when you see our stock you will do business with us.

Very kindly yours,

**J. S. MICHAEL.**

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<b>Magic Lawn Grass</b> .....	4th page cover
See Interstate Fair ad. 3d Page Cover.	

## TABLE OF WEIGHTS AND MEASURES And Quantity per Acre of Field and Grass Seed

Weights Per Bushel		Quantity Per Acre	
	POUNDS		
Barley.....	48	Barley, broadcast.....	2 to 3 bu
Beans.....	60	Beans, Dwarf, in drills.....	1½ bu
Blue Grass.....	14	Buckwheat.....	1 bu
Bromus, Inermis Grass.....	14	Cane, in drills.....	12 qts
Broom Corn.....	46	Cane, broadcast.....	1½ to 2 bu
Buckwheat.....	48	Clover, Lucerne or Alfalfa.....	20 lbs
Cane.....	50	Clover, Red, alone.....	8 to 10 lbs
Clover.....	60	Clover, White or Alsike.....	6 to 10 lbs
Corn, shelled.....	56	Corn, in hills.....	8 to 10 qts
Corn, on ear.....	70	Flax, broadcast.....	1½ bu
Corn, Sweet or Sugar.....	48	Grass, Blue, Ky. or Eng.....	1 to 2 bu
Flax Seed.....	56	Grass, Bromus Inermis.....	1 to 2 bu
Hemp Seed.....	44	Grass, English Rye.....	1 to 2 bu
Hungarian.....	48	Grass, Lawn.....	50 to 75 lbs
Lawn Grass.....	14	Grass, Orchard.....	1 to 3 bu
Millet.....	48	Grass, Red Top, in chaff.....	2 bu
Oats.....	32	Grass, Red Top, solid seed.....	12 lbs
Orchard Grass.....	14	Grass, Timothy.....	¾ to 1½ bu
Pasture Grass Mixture.....	14	Millet, broadcast.....	1½ to 1 bu
Peas, smooth.....	60	Oats, broadcast.....	2 to 3 bu
Peas, wrinkled.....	56	Onions, in drills.....	4 to 6 lbs
Popcorn, new-on ear.....	70	Peas, in drills.....	1½ bu
Potatoes, heaping measure.....	60	Peas, broadcast.....	2 to 3 bu
Pumpkin, Field.....	26	Potatoes, cut tubers.....	10 bu
Red Top.....	14	Rape Dwarf Essex.....	4 to 6 lbs
Rye.....	56	Rye, broadcast.....	1½ to 2 bu
Timothy.....	45	Turnip, broadcast.....	3 to 4 lbs
Wheat.....	60	Wheat, broadcast.....	1½ to 2 bu

# MARKET GARDENERS' PRICE LIST BULK SEEDS

**BEANS, PEAS AND SWEET CORN** come first—  
other **SEEDS** in alphabetical order.

## BEANS

## CASH PRICES

**Beans** are very sensitive to both cold and wet. It would be useless to plant them until the ground is warm. They can be safely planted first when the apple is in bloom. For garden culture make your rows about 18 inches apart, and plant the beans so that the vines may grow four inches apart in the rows. Beans mature in about 30 to 50 days after germination. One quart plants about 100 foot row. Many sorts are a failure this season. We quote a few leading kinds only:

A few leading kinds only.			
<b>Dwarf Wax Sorts</b>			
	PT.	QT.	PK.
Golden Wax.....	\$0 20	\$0 35	\$2 25
German Black Wax.....	20	30	2 25
Davis White Wax.....	30	40	2 75
<b>New Refuge Wax</b> .....	15	30	2 00
<b>Dwarf Green Pod Sorts</b>			
Early Red Valentine.....	15	30	2 00
Early Six Weeks.....	15	25	1 50
Stringless Green Pod.....	20	35	2 35
Burpee's Bush Lima.....	20	35	2 25
White Wonder Field Beans.....	.75 pk.; \$2 80 bu.		
<b>Pole Varieties</b>			
Large White Lima.....	15	25	2 00
Lazy Wife.....	15	30	2 00

## PEAS

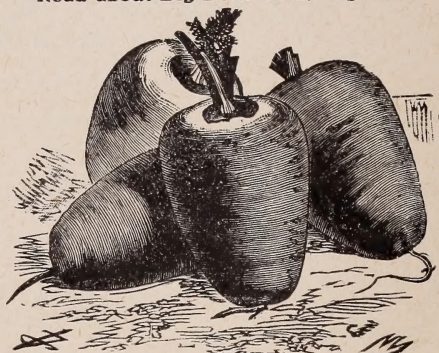
**Peas** are among the earliest seeds that can be planted at the close of winter. The round, smooth sorts are the hardiest and are often planted without danger before the frost is out of the ground. The wrinkled sorts are not so hardy, and cannot with safety be planted quite as early; but plant all kinds as early as possible and plant on a warm, quick, rich soil. Peas will mature earlier if planted only an inch deep, where earliness is most important they should not be planted deeper, but larger pods and more of them may be had by deeper planting. Dwarf varieties are planted in rows 15 inches to two feet apart. Two quarts of seed sows a hundred yards of rows:

	PT.	QT.	PK.
<b>Michael's Early June</b> .....	\$0 10	\$0 15	\$1 00
Alaska, Earliest of All.....	10	15	1 00
Ferry's First and Best.....	15	20	1 10
<b>McLean's Little Gem</b> .....	15	25	1 50
American Wonder.....	15	30	1 80
Nott's Excelsior.....	15	30	1 80
Hosford's Market Garden.....	10	20	1 00
Advancer.....	10	20	1 00
Abundance.....	10	20	1 00
Yorkshire Hero.....	10	20	1 25
<b>Telephone</b> .....	15	25	1 50
Champion of England.....	10	15	1 00
Marrowfat, White Marrow or Black Eyed.....	10	15	60
Field Peas, \$2 00 per bu.....		10	60
<b>SWEET CORN—Extra Early Cory</b> .....	10	15	75
Ferry's Early Evergreen.....	10	20	1 00
<b>White Mexican—Extra Early</b> .....	10	15	1 00
Country Gentleman.....	15	25	1 00
Early Minnesota.....	10	15	75
Michael's <b>Red Cross</b> Early Evergreen.....	10	15	60
Crosby's Early.....	10	15	75
Stowell's Evergreen, select. extra choice.....	10	15	50
Evergreen Sweet Corn for gen'l crop, bu.....	\$1 00		





**Beet.**—Extra Early Forcing,  
Per oz. 10c.



**Carrots.**—Michael's Perfect Strain of  
Oxheart. Per oz. 15c.

## CARROTS

Carrots require a deep, well worked soil. For bunching, the Oxheart, Danvers and Chantenay are the best; for feeding stock grow the Belgian varieties, which yield big crops. 3 oz. of seed for 100 yards.

Read about Big Four Oats, Page 15.

### BEETS

#### Table Sorts

	OZ.	$\frac{1}{4}$ LB.	LB.
Egyptian Extra Early Turnip Blood.....	\$0 05	\$0 15	\$0 35
<b>Crosby's Egyptian, very early dark red</b> .....	5	15	40
Dewing Early Turnip Blood.....	5	15	35
Edmund's Early Turnip Blood.....	5	15	35
<b>Detroit Dark Red Turnip Blood</b> .....	5	15	45
Eclipse.....	5	15	35
Long Smooth Blood Red.....	5	15	35
Half Long Blood Red.....	5	15	35
Swiss Chard (for greens).....	5	15	40

#### Sugar Sorts

	OZ.	LB.	10LB.
Imperial French Sugar.....	5	20	1 50
Red Top White Sugar.....	5	20	1 50
Klein Wanzleben Sugar Beet.....	5	20	1 50

#### For Cattle

Mammoth Long Mangle.....	5	20	1 50
Golden Tankard.....	5	20	1 50

<b>BROCOLI</b> —Large Early White.....	35
Landreth's Purple.....	40
<b>BRUSSEL SPROUTS</b> —Improved Dwarf.....	10

	OZ.	$\frac{1}{4}$ LB.	LB.
<b>CARROTS</b> —Early Short Horn.....	10	20	60
<b>Oxheart</b> .....	10	20	55
Danvers Half Long.....	10	20	60
Chantenay Stump Rooted.....	10	20	60
Long Orange.....	10	20	50
White or Yellow Belgium for stock.....	5	15	35



## CABBAGE

Where any vegetable attains its highest degree of perfection, there we may expect to grow the most select and purest strains of seed. Long Island, N. Y., is a most favored spot for the growing of Cabbage. Leading Seedsmen of America get their select stocks grown there. The seed we offer is grown on Long Island by a most careful grower, and we offer it with the full assurance that it is the best in the world. Three oz. seed to 100 yards of rows for plant growing.

For Seed Corn See Page 14.



**Cabbage.**—Henderson's Early Summer.  
Choicest and best. Per oz. 20c.



**Cabbage**—Select Very Early Jersey  
Wakefield. Per oz. 15c.

### CABBAGE

	oz.	¼ LB.	LB.
Early Jersey Wakefield, selected .....	\$0 15	\$0 45	\$1 60
Charleston Large Wakefield .....	15	45	1 50
Early Winningstadt, extra fine improved .....	15	50	1 50
All Head Early (Drumhead) .....	15	45	1 50
Henderson's Early Summer, select .....	20	60	1 75
Early Flat Dutch, very select .....	15	40	1 25
Succession, very select .....	15	45	1 50
Fottler's Brunswick .....	15	40	1 50
Hollander or Danish Ball Head .....	15	50	1 75
Large Flat Dutch, premium select .....	15	40	1 35
Sure Head .....	15	40	1 35
Marblehead Mammoth .....	15	50	1 50
Large Late Drumhead .....	15	40	1 30
Mammoth Red Rock .....	25	75	2 00

**CAULIFLOWER**—Early Snowball..... 2 00 .....

Large Erfurt, choicest of all late varieties ..... 2 00 .....

**CELERY**—Giant Pascal, Pacific coast grown... 10 35 1 25

White Plume, Pacific coast grown ..... 15 50 1 50

Golden Self Blanching, Pacific coast grown..... 25 75 2 50

Celeriac Root Celery ..... 15 50 2 50





**Cucumber**—Boston Pickling, 10c oz.

## CUCUMBERS

**Seed crop very short again this year.**

Cucumbers thrive best on warm, rich, sandy soil, the richer the better. Crop should never be planted until soil is warm and the trees are out in full leaf. Plant in hills 4 feet apart and thin to about 4 plants to the hill. Second planting about middle of July for fall. 1 oz. for 50 hills.

	oz.	¼ lb
Early Frame.....	10c	25c
Boston Pickling.....	10c	25c
Chicago Pickling.....	10c	25c
<b>White Spine.....</b>	<b>10c</b>	<b>25c</b>
Long Green .....	10c	25c



**Lettuce**—Black Seeded Simpson. The best for forcing early sowing out of doors. One oz. will sow 50 sq. ft. Per oz., 10c.



**Lettuce**—White Stone Head. New sort of best quality. 10c oz.

## LETTUCE

	½ OZ.	¼ LB.	½ LB.
Ferry's Early Prize Head.....	\$0 05	\$0 20	\$0 35
Early Curled Simpson's Black Seeded.....	5	20	35
Early Curled Simpson's White Seeded.....	5	20	35
Hanson.....	5	20	35
Grand Rapids .....	5	20	35
White Stone Head.....	5	20	35

<b>'CRESS</b> —Garden Varieties.....	5c to 10
<b>ENDIVE</b> —Moss Curled.....	10c to 15
<b>KALE</b> or <b>BORECOLE</b> —Green Curled.....	10
<b>EGG PLANT</b> —Thornless large round purple New York Improved .....	25
<b>KOHL RABI</b> —Early White Vienna or Purple..	15
<b>LEEK</b> —London Flag .....	10

PER OZ.

For  
Grass  
Seed  
See  
Page 11



## MELONS

The essential thing in melon culture is to get good strong vines early in the season. To this end plant your melons in hills, eight feet apart, made rich with some good fertilizer or well rotted manure, thoroughly mixed with the soil. As soon as the ground is warm and dry plant 15 to 20 seeds in each hill, and thin out when the plants begin to grow, leaving only three to five of the most vigorous. Protect the young plants from insects and hasten their growth by the use of liquid manure. From three to five pounds plant an acre.



**Cole's Early**



**The Great Rockyford  
Muskmelon**

### SNOW BOUND

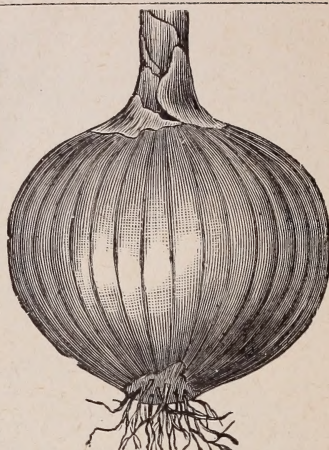
This new watermelon is just coming into favor. Vines are hardy, vigorous and prolific bearers of beautiful, large, gray oblong melons. Splendid shippers. Flesh is tender, sweet, fine flavored and free from hard spots. Seeds limited. Price per oz. 15c; 2 oz. 25c;  $\frac{1}{4}$  lb, 40c.

### MUSK MELONS

	OZ.	$\frac{1}{2}$ LB.	LB.
Extra Early Green Citron, Cantaloupe .....	\$0 10	\$0 50	\$0 80
Extra Early Hackensack .....	10	50	90
Large Hackensack .....	10	50	80
Golden Netted Gem .....	10	25	45
Emerald Gem .....	15	75	1 40
Osage .....	10	50	90
<b>Rocky Ford</b> .....	5	25	50
Paul Rose, new .....	10	40	75

### WATER MELONS—Cole's Early (best early)...

Vick's Early .....	5	30	50
Ferry's Peerless .....	5	25	45
Phinney's Early .....	5	20	30
<b>New Triumph</b> .....	5	20	35
The Boss .....	5	25	40
Georgia Rattlesnake .....	5	25	50
Monte Cristo .....	5	20	35
McVicar's Sugar .....	5	25	50
Cuban Queen .....	5	20	35
Kolb's Gem .....	5	20	35
Dixie .....	5	20	35
Duke Jones .....	5	20	35
Sweet Heart .....	5	20	40
<b>Black Diamond</b> .....	5	20	40



**Large Red Wethersfield**—The best known of all the Onions. Good sellers, great keepers, the best of all standard sorts. My stock of this Onion seed is most select and sure to grow. Oz. 10c; lb. 75c.

**Southport Red Globe**—On account of its beautiful shape and rich red color, these Onions bring a premium in any market. Per oz. 10c; ½ lb. 50c; 1 lb. 90c.

	OZ.	½ LB.	LB.
<b>ONIONS</b> —Extra Early Red Flat.....	\$0 10	\$0 40	\$0 75
Large Red Wethersfield.....	10	40	75
Southport Large Red Globe ( 10 lbs. \$8 00 )....	10	50	90
White Globe.....	15	75	1 35
Yellow Globe Danvers.....	10	40	75
Prize Takers.....	10	50	90
White Silver Skin.....	10	75	1 25
Mammoth Silver King.....	10	75	1 25
New Queen (for pickling).....	10	75	1 25
Australian Brown (best for raising sets).....	..	..	65

Special prices in large lots on all kinds.

**ONION SETS**—10c to 15c per qt. Special prices in quantities.

	OZ.	½ LB.	LB.
<b>PARSLEY</b> —Champion Moss Curled.....	\$0 10	\$0 30	\$0 50
<b>PARSNIPS</b> —Hollow Crown.....	5	15	25
<b>PEPPER</b> —Large Bell Bullnose.....	15		
Chinese Giant.....	40	See Interstate Fair ad.	
Ruby King.....	15	op. page 20	
Golden Dawn.....	15		
<b>PUMPKIN</b> —Common Field.....	5	\$0 20	\$0 30
Sweet Sugar.....	5	30	50
Mammoth Interstate Fair.....	10	50	1 00
<b>SQUASH</b> —Early White Bush ( patty pan ).....	5	25	50
Golden Summer Crookneck.....	5	25	50
Hubbard, Extra Warty.....	10	45	75
Golden Hubbard.....	10	45	75
Boston Marrow.....	5	35	60
Mammoth Chili.....	10	75	1 25



	OZ.	½ LB.	LB.
<b>RADISHES—Early Scarlet Turnip</b> .....	\$0 05	\$0 25	\$0 40
Scarlet Turnip White Tip.....	5	20	35
French Breakfast.....	5	25	40
<b>Early Scarlet Globe</b> .....	5	25	40
Ne Plus Ultra.....	5	25	40
Long Scarlet Short Top.....	5	25	40
Brightest Long Scarlet.....	5	25	40
Chartier.....	5	25	40
White Vienna or Lady Finger.....	5	25	40
White Strasburg.....	5	25	40
Early White Turnip.....	5	25	40
Cal. Mammoth White Winter.....	5	25	50
Rose China Winter.....	5	35	50
Black Spanish, round or long.....	5	30	50

Special prices five to ten lb. lots.

**“Michael's Boquet”**—This new Radish is the best all around forcing and out door variety ever yet grown. Globe shaped, absolutely never gets pithy, color beautiful, rich blend of purple and scarlet. Vigorous grower and very early. Once used, “it's my radish forever,” is the verdict of all. Price, 10c per oz.; 3 ozs. 25c. Special prices per lb. to gardeners.



**French  
grown  
Radish Seed  
are the  
purest  
and finest  
known**

One ounce  
drilled  
will sow

**Radish—Early Scarlet  
Globe.**

50 ft. row.



**Radish—Michael's Boquet**

	OZ.	½ LB.	LB.
<b>SALSIFY</b> —Mammoth Sandwich Island.....	\$0 10	\$0 60	\$1 00
<b>SPINACH</b> —Bloomsdale, (10 lb. lots \$2 00).....	5	15	25
Long Standing, (10 lb. lots \$2 00).....	5	15	25
Grant Thick Leaf.....	5	15	25
<b>TOMATO</b> —Atlantic Prize or Early Advance.....	½ OZ.	LB.	
Earliana.....	\$0 10	\$0 15	
New Stone.....	15	25	
Dwarf Champion.....	10	15	
Acme.....	15	25	
Trophy.....	10	15	
Yellow Pear Shaped.....	15	25	
<b>TURNIP</b> —Extra Early White Milan.....	OZ. - ¼ LB.	LB.	
Extra Early Purple Top Milan.....	\$0 10	\$0 20	\$0 60
Extra Early Purple Top Milan.....	5	15	50
Early White Flat Dutch.....	5	15	35
<b>Purple Top Strap Leaf</b> .....	5	15	35
<b>Purple Top White Globe</b> .....	5	15	35
Yellow Aberdeen.....	5	15	40
<b>RUTABAGA</b> —Bloomsdale Swedish.....	10	20	60
Imp. Purple Top, Long Island (Yellow fleshed).....	5	15	35



### FLOWER SEED IN BULK

	1-16 oz.
Alyssum, Sweet Scented, Little Gem.....	\$0 05
Asters, mixed sorts, many colors.....	10
Asters, Dwarf Queen, all colors.....	15
Balsam, all colors, mixed sorts, single or double.....	10
Candy Tuft, all colors, mixed.....	05
Carnations, Marguerites, finest mix.....	10
Cosmos, (early flowering), choice mixed.....	10
Cypress Vine, mixed colors.....	05
Forget Me Not.....	10
Four O'clock, mixed colors.....	10
Marigold, double, mixed.....	10
Mignonette, many sorts, mixed.....	05
Morning Glory, large flowering Japanese.....	05
Moonflower, new beautiful pink.....	10
Moss Rose (portulaca) single, 1-16 oz., 10c; double.....	20
<b>Nasturtium</b> —Tall or Dwarf, mixture..... per oz.	10c
“ King Theodores, rich red flower, dark foliage, per oz.	15c
“ Chameleon, varied changing, rich colors..... per oz.	20c
“ Golden King, rich yellow dwarf..... per oz.	15c
Nicotiana Sanderea, bright red..... per packet	25c
Pansies, very finest mixture, all colors.....	10
Pansies, New Double Pansy Masterpiece.....	25
Pansies, Giant Bugnot and Giant Trimardeau, in grand mixture.....	15
Petunia, fine mixed, single, 1-16 oz., 10c; double.....	25
Phlox, fine mixed, Drummondii.....	15
Phlox, Star of Quedlinburg (Star Phlox) mixed.....	15
Pink, double mixed, 1-16 oz., 10c; Double Red Midnight.....	10
Poppy, double carnation flowered.....	10
Poppy, Maid of the Mist (giant bloomer).....	10
Stocks, good mixed.....	20
<b>Sweet Peas</b> , fine mixture.....oz., 5c; ¼ lb., 15c; lb., 35c	
“ “ Eakford's Hybrid mixture.....oz., 10c; 2 oz., 15c	
“ “ named varieties.....oz., 10c; 2 oz., 15c	
Sweet Williams, single, 1-16 oz., 10c; double, mammoth flower.....	15
Verbena, fine mammoth mixed.....	10
Wild Cucumber (climber).....	05
Wild Flower Garden Mixture.....	05
Zennia, double mixed large flowering.....	05

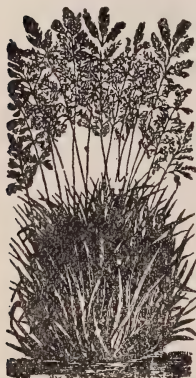




## Bromus Inermis

(Awnless Brome Grass)

A hardy perennial, standing extremes of heat, cold and drought better than any other of our cultivated grasses. Is especially adapted to the Northwest. It grows with great rapidity and produces heavy hay crops and luxuriant pastures. All kinds of stock eat it greedily, and the analysis made show that it is exceedingly rich in flesh-forming ingredients. Sow about 20 pounds to the acre. Our stock is grown in **No. Dakota** and is fancy quality. Price 15c per lb; 100 lbs for \$10, subject to market change. Will make you a very close price on big lots.



**Kentucky Blue Grass**

### Kentucky Blue Grass

The universal pasture grass of America and the finest lawn grass in the world is our own Kentucky Blue Grass. It starts like magic with the first smile of spring, and is a velvet of green until winter comes again. It can be sown on the wild prairie and will catch, but the best results are to be had by getting the seed well covered. The seed we offer comes directly from Kentucky in car lots, and is fresh, clean and pure. Price 15c per pound. Close price in quantity \$9.00 per bag of 8 bushel lots for the very best **export fancy**.



**Bromus Inermis Grass**

## Grass, Field and Farm Seeds

Write for our Special Prices when ready to buy.

We quote only today's values on Clover and Grass seed. Ask for sample and special price on quantity. Come and see us. Prices here quoted run according to grade and quality. Bags EXTRA, 15 to 20c each. **Special price on big lots.**

Remember that these prices are Subject to Market Changes.

<b>Clover</b> —Medium Red.....	15c lb.,	Market Price per bu. of 60 lbs.
Mammoth Red .....	15c lb.,	“ “ “ 60 lbs.
White .....	20c lb.,	“ “ “ 60 lbs.
Alsike.....	15c lb.,	“ “ “ 60 lbs.
<b>Alfalfa</b> —Northern grown seed.....	15c lb.,	“ “ “ 60 lbs.
<b>Alfalfa</b> —Turkestan, imported seed....	20c lb.,	“ “ “ 60 lbs.
<b>Timothy Seed</b> .....	\$1.25 to \$1.35	per bu. of 45 lbs.
<b>Red Top</b> —Cleaned, fancy solid seed ...	15c per lb.,	\$7.00 to \$8.00 per 100 lbs.
<b>Ky. Blue Grass</b> —Export, extra fancy cleaned.....	\$1 25	per bu. of 14 lbs.
English Blue Grass .....	1 00	“ 14 lbs.
Canadian Blue Grass .....	1 00	“ 14 lbs.
<b>Rye Grass</b> —Italian.....	1 00	“ 14 lbs.
English .....	1 00	“ 14 lbs.
<b>Orchard Grass</b> .....	2 00	“ 14 lbs.
<b>Lawn Grass</b> —Magic. (See back page of cover).....	20	per lb.
Ky. Blue, special for lawns .....	15	per lb.
<b>Bromus</b> —Inermis, No. Dakota stock.....	15c per lb.;	\$10 per 100 lbs.
<b>Millet</b> —German .....	75c to \$1	per bu. of 48 lbs.
Common.....	75c to \$1	per bu. of 48 lbs.
<b>Pencillaria</b> —New Forage Plant.....	15c per lb.,	10 lbs \$1.00
Fancy German Tenn. grown seed, see page 12.		

Be friendly. Come and see us. Try our Alfalfa **Nitro Germs** and get big crops.



These Prices are Subject to Market Changes

## English Blue Grass

### Meadow Fescue

In just a few years this grass has come to the front like magic. This is due to the fact that it is a success everywhere, on all kinds of land and never freezes out. It comes early in the spring, is green all summer and lasts until late autumn. It's a nutritious pasture and a valuable hay crop too. It's a perennial 2 to 3 ft. high, and heads out in June. You can't sow it in



English Blue Grass



Italian Grass

grow in the ground, but if the land is at all cultivated and the seed well covered it is sure to grow. We unhesitatingly recommend it to every farmer. Price best seed per bu. \$1.00. One bushel per acre. Five bushels for \$4.00.

**ITALIAN GRASS**—A wonderful quick growing annual. Planted in early spring it soon makes a rich green pasture that will last all season, and stay green until late in the autumn. It has an abundant foliage, and will, if left make a big crop of rich hay. Every farmer should have a field of this valuable grass crop. \$1 per bu.

**TIMOTHY**—This well known grass is the best of all grasses for hay. Succeeds very well on all kinds of soil, but is well adapted to moderately moist land. Should be cut just when the blossom begins to fall. Can be sown in spring or fall. One bushel sows 3 acres. Is used in mixture with clover and other grasses to good advantage. Price per bu. \$1.25 to \$1.35, subject to market changes. Bag extra, 18c each.



Timothy

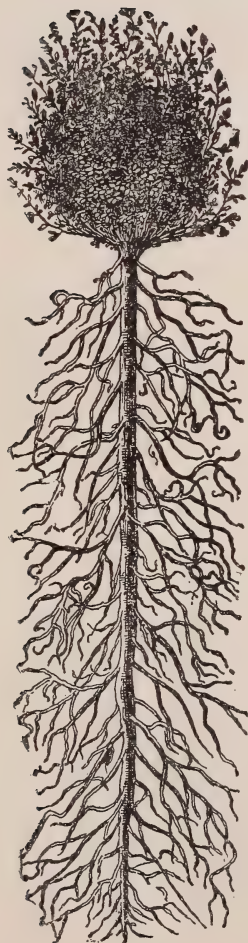
**RED TOP**—This grass is especially suited to low, wet spouty lands; is in fact the only grass which is a real success on such soil. It stands our northern winters, can be sown on wet land without cultivation, and will catch. Into the wet soil it spreads its network of roots, tames the land and in a few years makes a deep, substantial sod. The seed often comes in the chaff, but the only thing to plant is the solid seed clean from chaff. We quote good solid seed, very best, 15c per lb.; 2 lbs. 25c; per 100 lbs \$8 00. Prices subject to market changes. Special price on large lots.



Red Top



## PURE GERMAN MILLET



Of all the different kinds of grasses and forage plants raised for either hay or pasture, Millet is the most widely known and extensively used. If drouths wither or rains and floods drown out and destroy the early planted fields of grain, Millet is the farmer's next resort. The Pure German Millet, of all the well known kinds, is by far the most valuable. This well known sort reaches the acme of perfection in the more southern states and it is a fact that when the southern grown seed is planted in the north it produces a taller stalk and heavier growth of foliage than can possibly be raised from our own northern grown seed. It is the judgment of those who have tried the seed from both sections side by side that the planter had better pay \$2.00 per bushel for pure, southern grown German Millet than to have the other as a gift. See enclosed circular on Millet. Plant three-fourths bushel per acre.

Pure Southern Grown German Millet, bu.....\$1 00

Tennessee Grown German Millet, bu..... 2 00

Subject to market change. Bags, 15c each.

## ALFALFA CLOVER

This grand Clover forage plant is now a success everywhere. Every farmer has either heard of or known its worth and merit. The plant grows, thrives and does well on any of our rolling prairies or well drained bottom lands. The vigorous roots searching for moisture sink deep into the ground, bringing to the surface the fertilizing materials stored in the earth for ages. It is a fertilizer, leaving the land richer and better for succeeding crops than when it was first sown. Three crops are often cut in one season, and from ten to twelve tons of excellent hay is the annual reward. As a pasture it unfolds like magic with the first smile of spring, a velvet of green the entire summer through, lasting late into fall and early winter. The young plants are tender; the seed should not be sown until the frost has left and the ground is warm. One bushel of 60 lbs. will sow three acres. It should not be cropped or pastured the first year. Can be planted with a light nurse crop, but should never be sown with any crop of grain.

The stock we handle is the very best of hardy northern grown American seed. We also handle Turkestan which we get imported from Russia, recommended for hardiness, standing our severe winters without damage. A special price will be made with samples on application. We also handle **Nitro Cultures** for inoculating the seed which causes better and harder growth of foliage.



## DWARF ESSEX RAPE

Rape, as a pasture for cattle, hogs and sheep, is unequaled by any other plant. It can be planted with the spring crop, and is ready for pasture when the crop is gathered. Sow four to six pounds to the acre. Price, **18 lbs. \$1.00**; special price on 100 lb. lots.



**Dwarf Essex Rape**

often destroy other crops. One farmer says his horses, cattle and hogs all eat it. As a rough provender it is unsurpassed. Crop of seed scarce this year. Market price.

## Sorghum

Sugar cane for fodder

The greatest forage and fodder plant in the world today. It will yield two crops of fodder and a good fall pasture in one season. It roots deep into the subsoil and stands the drouths that

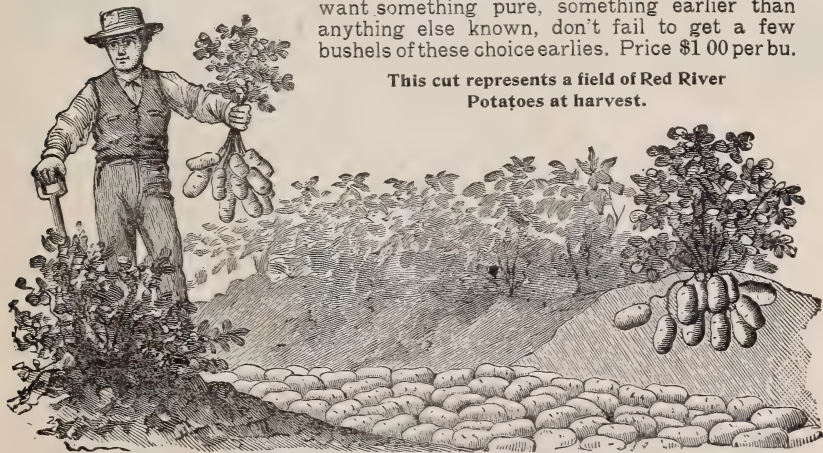


**SORGHUM—Sugar Cane**

## Red River, Ohio, and Early Triumph Seed Potatoes

The stock of Ohio Potatoes we offer were grown in the Red River valley. They are from ten days to two weeks earlier than the home grown. They are pure and free from scab, and were raised especially for seed stock. If you want something pure, something earlier than anything else known, don't fail to get a few bushels of these choice earlies. Price \$1 00 per bu.

This cut represents a field of Red River Potatoes at harvest.



Prices Subject to being Sold Short and Market Changes PER BU

Red River Early Ohio.....	\$1 00
Bliss Early Triumph, Red River grown .....	1 25
Rural New Yorker ( special low prices on quality ) .....	1 00
<b>SEED SWEET POTATOES...</b> per bbl., prices on application.	

**Tipped  
Selected.....**

## SEED CORN

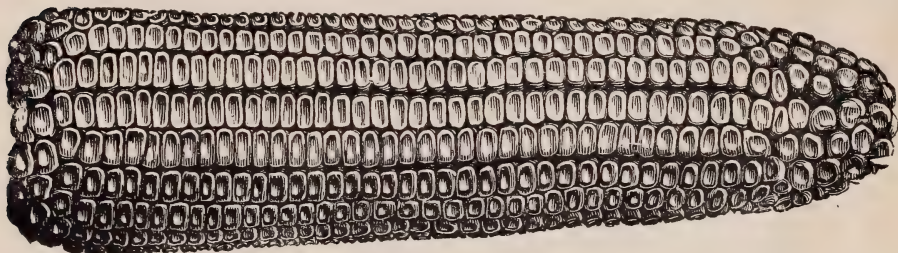
**Tested  
Hand Shelled**

We exercise great care in growing, selecting and handling our corn for seed, and are determined on handling only such as will grow and produce the best results. Every farmer knows the value of good seed corn, and would rather pay the price to get good, vital, well selected seed corn than to have cheap stuff for nothing.

**A Disastrous Mistake** Has been made by thousands of farmers sending too far south for their seed corn. Many intelligent farmers have awakened to realize this error only too late, when they find some chilly autumn morn that "Jack Frost" has nipped the crop and robbed the pocket. Our seed corn is grown here in the north, acclimated, selected and tested, and there is no mistake about it. We give no guarantee of crop, or guarantee of any kind, but we do give the real article, and if anyone wishes to test our seed corn before planting and is not satisfied with results they can return the seed and get their money back

### PRIDE OF THE NORTH

The earliest of all yellow dent varieties. Has a deep bright yellow kernel tightly knit on a very small red cob. A good yielder and outshells all other varieties. Can be depended on to a certainty in this section. Ripens in 84 days. Price \$1.25 per bushel. Bags extra, 18c each.



### ALASKA DENT

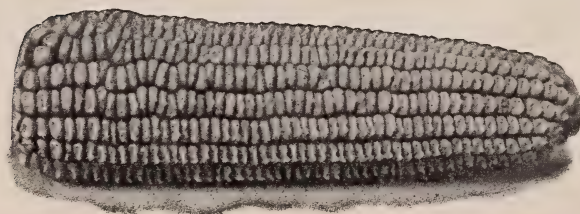
The earliest variety of dent corn known. It's a beautiful yellowish amber color with a white cap on each kernel. Has a small cob, deep kernel, is a splendid yielder, and weighs heavily. A wagon load of it on the ear will outweigh any other corn ever hauled to market. Price, per bu. \$1.00. Bags extra, 18c.

### MICHAEL'S MORTGAGE LIFTER

The earliest of all large long-eared corn. Big yielder, bright yellow dent. Heads the list of large corns for earliness and yield. Price, \$1.00 per bu. Bags extra, 18c each.

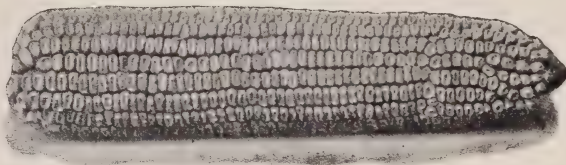
### IOWA GOLD MINE

A well known sort of long kernel yellow dent. A beautiful and attractive variety. Early and a safe crop. Yields best on bottom land. Price \$1.25 per bu. Bags extra, 18c each.





## Reid's Yellow Dent



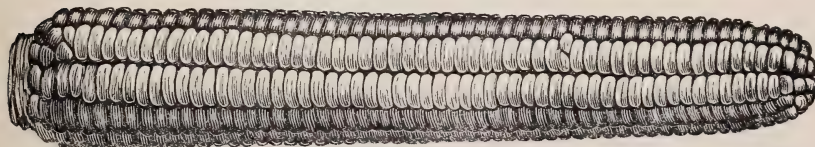
### Reid's Yellow Dent

This corn is light golden in color. The ears are 9 to 11 inches long, 18 to 24 rows of kernels each containing 50 to 60 kernels. The cob is completely covered with solid corn. The kernels are moderately rough, rather narrow, medium in thickness, knit very closely together with no lost space between the rows. A premium corn, and of all corn this is easiest to shuck. Our stock is pure. Price, shelled, \$1 25 per bu.; on ear \$2 00.

## NORTHERN ROSE

This is a variety of beautiful yellow corn that came from southern Iowa a few years ago but which has now been acclimated to this section and is one of the leading late sorts. \$1 00 per bu.; sacks 18c each.

## YANKEE FLINT



12 to 15 Inches

Yankee Flint

70 Day Corn

**Yellow Yankee Flint** is a variety that is particularly adapted to the north. It is an eight-rowed sort, with ears 12 to 15 inches in length and about 1½ inches in diameter, small cob, large yellow kernel and very broad. Price \$1 00 per bu.

## SEED OATS

### 20th CENTURY OATS

These oats are all the name implies, an up to date variety, very early, great yielder and rich, plump, white kernel. Sample on application. Price \$1 00 per bu. 10 bu lot \$7.50.

### BIG FOUR

The very best oats we grew here last season were Big Four. It has a very white, big, plump kernel, and this year certainly it is the brightest oat that we have. Then, it has a stiff straw which stands up well. It is early and a great yielder. Do not hesitate to plant Big Four. It will please you. Per bu. (32 lbs.) 60c; ten bu. \$5 00.

### SPELTZ

An attractive new kind of grain brought to this country by the Russians. The United States department of agriculture recommends it as a grain for the semi-arid sections. It has great drouth resisting features. It yields as much as oats and is a better feed. Sow two bushels to the acre. Price per bu., 60c; ten bu. \$5 00. Bags extra.

NOTE—We handle other kinds of seed grain—barley, rye and wheat. Samples on application, with price.

# Fruit Tree Department

We handle only such kinds and varieties of trees, shrubs and plants as grow here and stand this climate. Stock strong, true to name, dug when wanted, and roots carefully packed in wet moss for shipping.

## APPLES

**KINGLY VARIETIES**—The horticulturists of the northwest place the following varieties of apples at head of list for hardiness and quality:

<b>Dutchess</b> —Summer.	} and highly recommend }	<b>Patten Greening</b> —Winter.
<b>Wealthy</b> —Fall.		<b>Hibernal</b> —Late Fall.
<b>N. W. Greening</b> —Winter.		<b>Yellow Transparent</b> .

## CRAB APPLES

Every garden and farm should possess Crab Apples. Trees are ornamental, perfectly hardy and succeed in all kinds of soil. Annual bearers, usually fruiting the second season after planting.

<b>Whitney</b>	} There are others but these are best }	<b>Martha</b>
<b>Hyslop</b>		<b>Briar Sweet</b>
<b>Transcendent</b>		<b>Siberian Crabs</b>

## CHERRIES

The Cherry is the most valuable of all fruit trees for the northwest; perfectly hardy, grows and thrives well on any of our soil. No insects effect it, an annual bearer; ornamental as well as valuable. Hardest varieties:

<b>Early Richmond</b>	} The <b>NEW COMPASS CHERRY</b> bears when 2 years old. Each 40c. }	<b>Osthiem</b>
<b>Wragg</b>		<b>Russian Lutovka</b>

## CHOICE NATIVE AND JAPAN PLUMS

Native plums, as to quality and hardiness, are: **DeSoto**, the best of all; **Wyant, Wolf, Forest, Garden, Hawkeye, Minor**.

Plums should be set in groups or clusters. Plum blossoms need fertilizing. Set different varieties near each other.

## VARIETIES OF JAPAN PLUMS

We have selected four varieties of the very best and hardest: **Burbank, Abundance, Red June and Ogon**.

## PEACHES

The question is often asked: "Will peaches do any good in northern latitude; would you recommend them?" Ten years ago we would have said "No." We now as emphatically say "Yes."

**Bokara No. 3**—The hardest peach yet brought to public notice. We believe it to be the only peach for this climate; of fine quality and a good bearer. 4 to 5 feet, each 20c; twelve for \$2 00.

## PRICES

These prices are for selected, hardy trees that grow and bear fruit:

	AGE	SIZE	EACH	DOZ.	100
Apple and crab.....	2 yrs.	4 to 5 ft.	\$0 20	\$2 00	\$12 00
" " ".....	2 "	5 to 6 "	25	2 50	17 00
Cherry.....	2 "	4 to 5 "	40	3 50	25 00
" " ".....	2 "	5 to 6 "	50	4 50	28 00
Plum.....	2 "	4 to 5 "	40	3 50	25 00
" " ".....	2 "	5 to 6 "	50	4 50	28 00



## SMALL FRUIT

There is nothing that gives greater returns and more satisfaction than small fruits, and every family owning land from a small lot to a farm should have a "patch of small fruits." Northwestern Iowa produces the strongest and hardiest of small fruits.



**Bartel's Dewberry**

**GRAPES**—We quote only the hardiest kinds:

	EACH	10	100
	1 yr	2 yr	1 yr 2 yr
Concord—Black, hardy.....	10c	15c	\$0 60 \$0 75 \$4 00 \$6 00
Niagara—White, hardy.....	15c	20c	75 1 00 4 00 6 00
Clinton—Black, hardy.....	15c	20c	1 00 1 50 ....

## STRAWBERRIES

The Experiment Station at Ames, Iowa, makes the following report: "From inquiries sent out to leading growers as to the best varieties for general planting, out of 23 replies 18 place Warfield and Bederwood in first place, Clyde second place, Lovett third place, Dunlap fourth place." 25 100 500 1000  
Prices..... \$0 25 \$0 70 \$2 50 \$4 00



Tea's Weeping  
Mulberry

**Ornamental  
SHADE  
... TREES...**

## Weeping Ornamental Trees

KIND	EACH
Birch, Out-Leaf Weeping.....	\$0 90
Mountain Ash, Weeping.....	60
Willow, New American.....	50
Mulberry, Tea's Weeping.....	1 25
Thurlof Weeping Willow.....	30
Wier's Out-Leaf.....	25

## Ornamental Shade Trees

Mountain Ash, 5 to 6 ft.....	25
Mountain Ash oak leaf, 5 to 6 ft.....	30
Linden European, 5 to 6 ft.....	25
Poplar, Silver Leaf, 5 to 6 ft.....	25
Maple, hard, 6 to 7 ft.....	35

## THE CAROLINA POPLAR

Is one of the most rapid growers among shade trees. Its branches spread just enough to give it a symmetrical appearance.  
6 to 10 feet..... 35c

## RUSSIAN OLIVE

One of the handsomest silver leaf ornamental trees; outgrows ash, elm, box elder. It is as hardy as an oak; stands the North Dakota winter. Bears a fruit of a burnished silver, which hangs on till mid-winter. Most beautiful lawn tree.  
3 to 5 feet..... 1 10 100  
Seeding..... \$0 35 \$8 00 \$5 00 \$3 00

## ROSES

We handle nothing but the **very hardiest** varieties and the very finest **bloomers**. Many varieties are too tender for the northwest. Hothouse roses are worthless for outdoor planting—ours are field grown. Our roses, grown on their **own roots**, not grafted, are more easily transplanted, and hardier. **Pruning**—Before planting roses cut them back severely—cut back at least two to five inches. Don't leave them over six inches long.



### AMERICAN BEAUTY

This variety is an ever blooming hybrid perpetual. Flowers large, beautiful, very double, deep, rich rose.

Each 35c; 2 for 60c.

### BABY RAMBLER

The Ever Blooming Dwarf Crimson Rambler—This new rose is the best red bedding rose in existence. It is a rose of the greatest merit and in a few years will be in every garden. It is hardy and an ever-bloomer in the true sense of the word, being in constant bloom from May until frost. We have a fine stock of plants grown in 2½ inch pots for bedding.

### LILACS

Do you love the Lilac? If so, we have something rare and beautiful; you should have a pair in your yard.

**Chas. X**—Velvety purple, sweet scented; each 25c.

**Common White**—Same as above, except in color.

**Persian Purple**—Blooms very young.

### CLIMBING VINES

**Hall's Japan Honeysuckle**—The finest climber. Beautiful trumpet shaped flowers, sweet scented, extremely hardy.

**Scarlet Trumpet**—Blossoms freely entire season, bright red flowers. Each 25c.

**CLEMATIS**—New Sweet Scented Paniculata—Grows anywhere; very rapid and profuse bloomer; flowers pure white, in large clusters, converting the plant into a solid mass of white. Extreme hardiness, bright, green foliage and fragrant flowers make this one of the finest hardy climbing plants. Will cover a porch or trellis in one season. Each 25c.

### SPIRÆA VAN HOUTI—Bridal Wreath

We can say positively this shrub is the most attractive lawn shrub known. Has white flowers, astonishingly profuse in blooming. Very fine for the cemetery 3 feet, each 30c.

### GRANDEST SNOWBALL

**Japan Snowball**—The Japanese variety of the old fashioned Snowball is one of the most valuable of our most hardy shrubs. It blooms in a solid mass of large balls of flowers as white as snow.

Each 30c to 50c. Old kind 25c to 40c. Japanese Honeysuckle

### SUMMER ROSES

**Madame Plantier**—Hardy, pure white.

**Persian Yellow**—Deep golden yellow, double.

**Harrison Yellow**—Fine color, single.

**Sweet Briar**—Rosy pink, single, foliage very fragrant. 30c each.

### CLIMBING ROSES

**Baltimore Belle**—Pale blush, flowers in clusters.

**Queen Prairie**—Bright rose, very hardy.

**Seven Sisters**—Crimson, in clusters. 25c each.

### RAMBLERS

**Crimson Rambler**—Rich crimson Blossom.

**White Rambler**—Pure pearl white.

**Yellow Rambler**—Light canary.

If you have none of these grand climbing roses, you should not fail to get one. They are gaining in popularity every day and have been thoroughly tried. 30c each.

### HYBRID PERPETUAL ROSES

**Gen. Jaqueminot**—Vivid crimson, hardy.

**Paul Neyron**—Deep rose, strong grower.

**Gen. Washington**—Perfectly double, soft scarlet.

**Marshal P. Wilder**—Pink carmine, flowers large.

**Magna Charta**—Bright, clear pink, sweet scented.

**John Hopper**—Bright rose pink.

**M. P. Wilder**—Bright carmine, very fragrant. 25c each.

### MOSS ROSES—(Need no covering)

**Luxemburg**—Bright crimson, very hardy.

**Henry Martin**—Glossy pink, very hardy.

**Blanch Moreau**—Pure white, very hardy.

**John Ingram**—Dark velvety purple. 30c each.





## Shells, Poultry Supplies and Feed



**Crushed Oyster Shells** — The Peerless Crushed Oyster Shells are kiln dried, sifted of dust and dirt after being ground, and should not be confounded with the trash often offered by cheap advertising houses, and which is one-half dust, lime and dirt. The Peerless shells are the greatest egg producing and health preserving brand of shells manufactured.



Peerless Oyster Shells.....	per lb. 1½c	per 100 lbs. \$1 00	per 500 lbs. \$4 00
Crystal Grit .....	" 1½c	" 100 "	1 15
Crushed Bone .....	6 lbs. for 25c	" 100 "	2 50
Meat Scraps .....	.6 " 25c	" 100 "	2 50
Meat Meal .....	.6 " 25c	" 100 "	2 00
Egg Food .....	per pkg	25c	
Chicken Feed (mixed).....	per 100 lbs.	75c to \$1.25	
Hemp Rape or Canary Seed .....	per lb.	8c	
Mixed Bird Seed.....	per lb.	5c	

### CHICK FOOD

More small chicks die between the fourth and eighth days than any other ten days of their growth. The first feeds are the important ones. Clean grain, seeds, grit and muscle power material is what they need. The first food is the yolk, which they absorb in thirty to fifty hours; then they are ready for small feeds of knickknacks. The material in **MRS. PINKERTON'S CHICK FOOD** takes the place of green stuff, bugs, worms, etc., and is a well balanced ration for small chicks. Prices, 25-lb. sack \$1.00; 50-lb. sack \$1.50; 100-lb. sack \$2.75.

### ANIMAL FOODS

Animal foods are by-products resulting from the manufacture of dressed meats intended for human consumption. They contain nothing but meat, bone and blood, as the case may be, and are in the form of meal in varying degrees of fineness. As they contain but a small amount of moisture, they may be kept indefinitely.

**TANKAGE**—For Feeding Purposes — Contains 60 per cent. protein. Great balance ration for shoats and pigs... per 100 lbs. \$2.00; per ton \$35.00

**BLOOD MEAL**—Contains 87 per cent. protein and is cheaper and better than bran, oilmeal or cottonseed meal; per 100 lbs. .... \$3.00

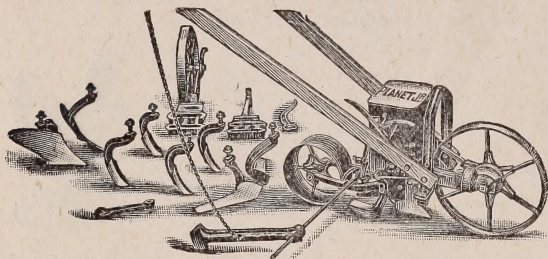
## ZENOLEUM DIP

Disinfectant Lice Killer

Destroys all kinds of microbes on animals, fowls and vegetables.  
Price, per gallon \$1.50. : : : : : : : :

# HEADQUARTERS

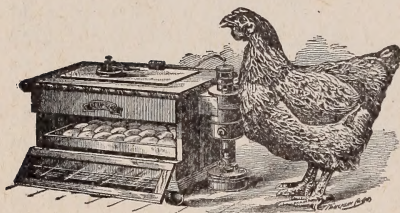
For Full and Complete Line of Planet, Jr., Garden  
...TOOLS AND REPAIRS...



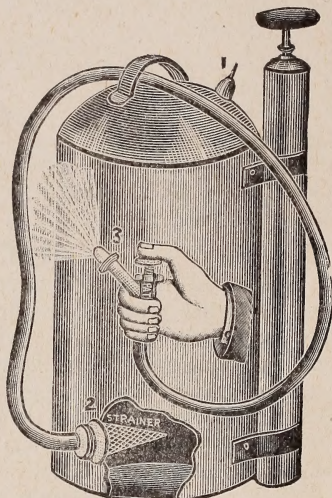
No. 25—Combined hill  
and drill seeder and  
double wheel hoe,  
cultivator and plow

Price.....\$13.50  
" No. 4.... 10.50

As a drill only,  
Single wheel 8.50  
No. 1—Comb'n'd  
drill & seeder 9.50  
Double wheel  
hoe complete 7.00  
Double wheel  
hoe, plain.... 4.75

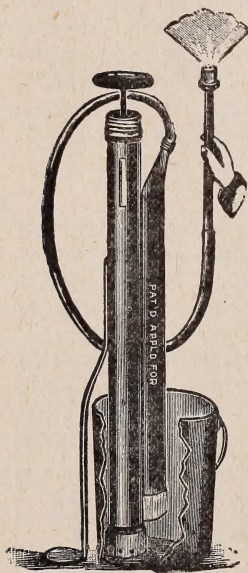


**Incubators**—We are agents for all  
leading makes. Prices on application



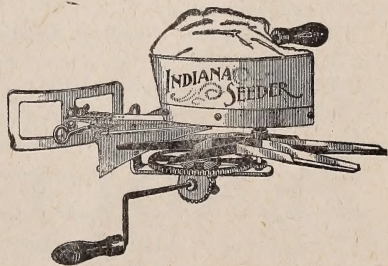
COMPRESSED AIR SPRAYER—"LIGHTNING"

The  
"Lightning"  
Sprayer is  
made of heavy  
galvanized  
iron holding 2  
gallons, and is  
provided with  
a safety valve  
to prevent over  
pressure.  
It works auto-  
matically  
and may be charged in ten seconds by a few strokes  
of pump. Price \$2 50; Hand Sprays 50c to \$1 00 each.



**Lightning White Wash  
Sprayer and Force  
Pump.**

Will fit  
any pail  
or bucket. The  
only  
Spray  
Pump  
that will  
properly  
spray  
WHITE  
WASH  
without  
clogging  
Each \$2



**"Indiana" Broadcast Seed Sower**  
Price, each.....\$1 00  
Columbia Seed..... 1 50



# INTER-STATE LIVE

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## STOCK FAIR

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BETTER THAN EVER

### Sioux City, Iowa

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September

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11, 12, 13, 14, 15, 16, '05

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### \$30,000.00

IN PREMIUMS & PURSES

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Send for Premium List



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F. L. EATON, President  
F. L. WIRICK, Secretary

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# BEAUTIFY THE HOME



Plant Roses ♡  
and Flowers ♡  
and have an  
Evergreen ♡ ♡  
Velvety Lawn



## MAGIC LAWN GRASS

**T**HIS is a special lawn mixture of our own; the result of years of experience on our own trial grounds. It is made up of the best kinds and highest grades of domestic and imported grasses used in lawn work, and so mixed and blended together as to give a continuous green turf the entire season through. This mixture of grasses comes up quick and grows like **Magic**, hence the name. It is the proper and the only thing to use in making a new lawn. Use it and you will have a lawn just as quick as to sod and at one-tenth the cost. Have your soil well prepared with a surface of black dirt. Sow at the rate of five pounds to the one-thousand square feet. Get the seed well covered, then, in a very short time, you will have a beautiful green turf. This **Magic Lawn Grass**, the result of tests and trials, is put up and sold only by ourselves, at our **Seed Store**, 316 Pearl Street. It is absolutely free from foul seed, and the very best mixture known for a permanent, evergreen, velvety lawn.

**Magic Lawn Grass** Mixture, (special price on quantity) per lb. .... 20c  
Common Mixture, per lb. .... 10c

## LAWN BLUE GRASS

This is a special grade of sun dried seed of **Fancy** cleaned Kentucky Blue Grass, harvested, sun dried and especially cleaned for lawn purposes. All lawns need re-seeding each season, that a new growth of grass may be kept coming. This grade of Blue Grass we offer is especially saved for that purpose. The place to get it is at our **Seed Store**.

Price, per lb. .... 15c

## LAWN FERTILIZER

Our **Bone Meal** for lawn fertilizing is made of pure bone, steamed and ground. By sowing over the lawn in early spring it soon dissolves, uniting the fertilizing properties of the bone with the fibrous roots of the grass, creating a vigorous growth and giving the grass a rich, green color from start to finish.

Price, per lb ..... 10c; 3 lbs 25c; 50 lbs \$1.50; 100 lbs \$2.75

# MICHAEL'S SEED STORE

J. S. MICHAEL, Prop.

Telephone 935-L2

316 Pearl Street

SIOUX CITY, IOWA